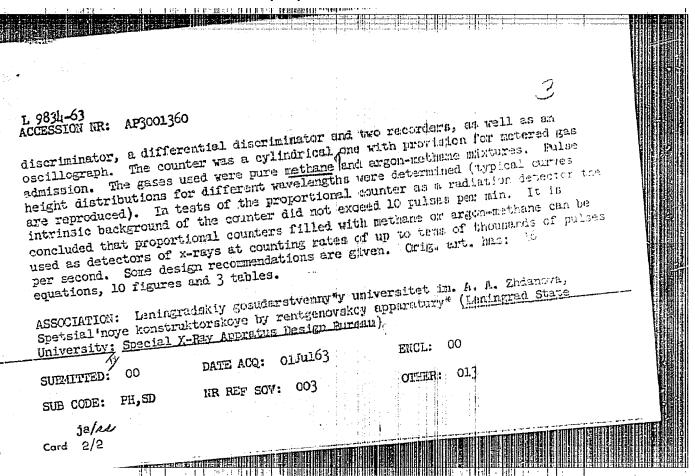
EWA(h)/EP&(c)/EWT(1)/EWT(m)/BIIS---AFFTC/ASD/HSD-3/AFWL/AFCRI--2-L 9834-63 8/0048/63/0817/006/03000 PT-4-RM/WW/MAY ACCESSION NR: AP3001360 AUTHOR: Inkirskiy, A. P.; Yershov, O. A.; Frystov, I. A. Operation of proportional counters in the ultrasuft Kallak region (Report of the Sixth Conference on X-Ray Spectroscopy held in Odesse from 2 to 16 SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v. 27, no. 6, 1963, 806-816 July 1962] TOPIC TAGS: proportional counters, x-ray detectors ABSTRACT: A proportional counter was used for the first time for detecting ultrasoft x-radiation in 1960 by J. E. Holliday (Rev. Bull. Instr., 31, 691, 1960 and Philos. Mag., 6, 801, 1961); the counter and an appreciable becaground and its operation was not studied. The purpose of the present work was to anysome proportional counters as detectors of ultrasoft x-rays and to evaluate toeir potentialities for this purpose. The test sut-up consisted of the propertions. counter, a power supply, a preamplifier, a main amplifier, an integral Card 1/2



ACCESSION NR: AP4020935

S/0051/64/016/002/0310/0319

AUTHOR: Lukirskiy, A.P.; Savinov, Ye.P.; Yershov, O.A.; Shepelev, Yu.F.

TITIE: Reflection coefficients for radiation with wavelengths of 23.6 to 113 Angstrom for a number of elements and substitutes and determination of the refraction indices and absorption coefficients

SOURCE: Optika i spektroskopiya, v.16, no.2, 1964,/310-319

TOPIC TAGS: reflection coefficient, absorption coefficient, titanium, beryllium, carbon, aluminum, chromium, gold, silver, germanium, lithium fluoride, magnesium fluoride, strontium fluoride, potassium chloride, polystyrene

ASBTRACT: In view of the interest in reflection of ultrasoft x-radiation from different substances that can be used for coating diffraction gratings and other optical components, in the present study there were determined experimentally the values of the total external reflection coefficient R of Be,C,Al,Ti,Cr,Ge,Ag,Au,LiF, MgF2,KCl,SrF2, polystyrene and F-1 type glass as a function of the angle of incidence (mostly glancing angles in the range under 10°) for radiation of wavelengths 23.6, 31.4, 44, 67 and 112 Å. These are the wavelengths of the EX lines of O,N,C,B

Card/3

### APL020935 ACCESSION NR: and Be. The measurements were carried out using a modification of the setup and procedure employed earlier (A.P.Lukirskiy and Yc.P.Savinov, Opt.i spektr., 14,295,1963). The materials for the most part were in the form of 1000 R thick coatings vacuum evaporated onto glass plates; the halide layers were deposited over undercoatings of Al or Au on glass, mainly to provide the requisite conductivity for subsequent absorption measurements. The results for R are presented in the form of curves (R versus angle of incidence) and in a table. The reflection curves were then used for calculating the index of refraction and the absorption coefficient by means of the usual Fresnel formulas; the results are tabulated. To check the validity of the calculations and accuracy of the results, the absorption coefficients of some of the doatings for the same characteristic wavelengths were measured directly by the transmission method. The results are consistent, but the direct absorption values are systematically higher than the values deduced from the reflection curves. A similar divergence was obtained for copper layers by L.G. Parratt (Phys. Rev., 95, 359, 1954), who attributed it to decrease in density of the substance with approach to the surface; this is also assumed to be the reason for the divergences observed in the present case. The results are discussed briefly in a final section. Orig.art. of formulas, 10 figures and 3 tables. bas: 2/3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

1:34

ACCESSION NR: AP4038775

S/0048/64/028/005/0836/0840

AUTHOR: Zimkina, T.M.; Yershov, O.A.; Lukirskiy, A.P.

TITLE: M Emission bands of zirconium, niobium and molybdenum and some chemical compounds of these elements Report, Seventh Conference on X-Ray Spectroscopy held in Yerovan 23 Sep to 1 Oct 19637

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.5, 1964, 836-840

TOPIC TAGS: x-ray spectrum, x-ray emission, zircomium, zircomium compound, niobium, niobium compound, molybdenum, molybdenum compound

ABSTRACT: The M emission bands of Zr, Nb and Mo and their oxides were recorded in continuation of earlier work on the M spectra of these metals (A.P. Lukirskiy and T. M. Zimkina, Izv. AN SSSR, Ser. fiz. 27, 330, 1963). The spectrometer is described elsewhere (A.P. Lukirskiy, Ibid. 25, 215, 1961); it has been equipped with a new gold-plated grating which makes it possible to record N, O and C lines. The oxide spectra were recorded only to assist in estimating the purity of the metal spectra. The Mo<sub>2</sub>C spectrum was also obtained, as well as the spectrum of Nb containing 12.44% N. When the anode was operated cool (3 kV, 12 to 20 mA on the x-ray tube) lines of C, O and N

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ACCESSION NR: AP4038775

were present and the M emission band of each metal had a double peak. When the anode was operated sufficiently hot (45 to 100 mA, temperature greater tha 1000°C) the C, O and N lines disappeared along with the double peaks. The double peak structure was traced to carbon contamination, and the Mo<sub>2</sub>C spectrum was found to have this double peaked shape. The M emission bands of Nb and Mo showed the bends reported in the earlier paper of this series (loc.cit.supra); that of Zr was simple. The simpler structure of the Zr band is ascribed to the smaller number of 4d electrons in this metal. The band of pure zirconium (anode prepared from 99.99% zirconium iodide) was recorded with a resolution of 0.2 eV and an anode temperature of about 1000°C (C, O and N contamination less than 0.1%). The only perceptible structure was a weak line on the short wavelength side of the edge, similar to the lines reported the previous paper for Nb and Mo. The width of the My level was calculated from that of the short wavelength edge, but the result was lost in the corrections for instrumental broadening and temperature smearing of the Formi surface, the final result being 0.04  $\pm$  0.05 eV. The width of the 5s-4d band was obtained from the width of the M emission band, the long wavelength tail being eliminated by linear extrapolation. A value of 4.8 eV was found. The intensities of the lines of the M spectrum were measured relatively to Mg and they are tabulated for all three metals. An error is noted in the Nb and Mo line intensities as tabulated in the previous paper.

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ACCESSION NR: AP4038775

The intensity ratios (intensities relative to M<sub>f</sub>) of M<sub>IV,V</sub>-Y<sub>II</sub> lines of Mo, Nb and Zr were, within the 20% experimental error, equal to the ratios 5:4:2 of the numbers of 4d electrons in the respective atoms. It is concluded that the M emission bands image the p and f states in the 4d bands, and characterize their widths and shapes. Orig.art.has: 4 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: CO

DATE ACQ: 12Jun64

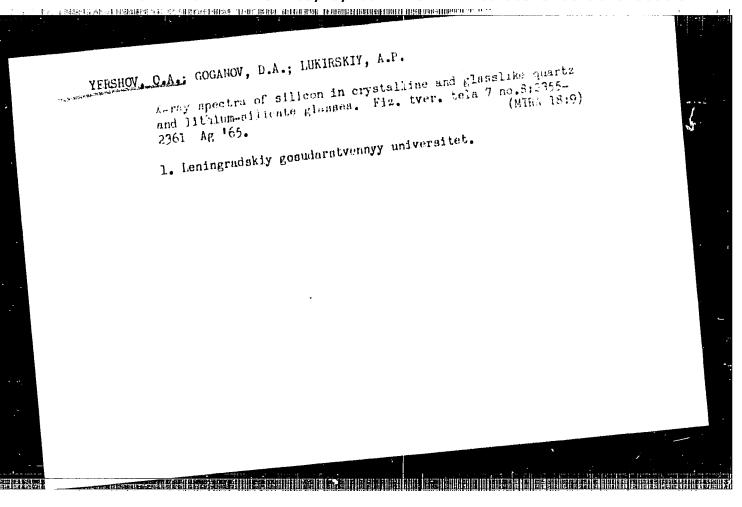
ENCL: 00

SUB CODE: OP

NR REF SOV: 003

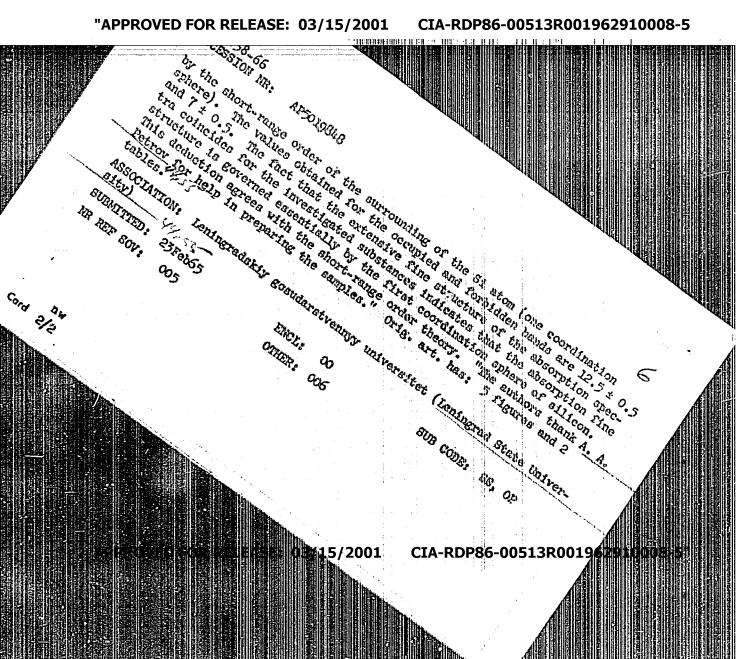
OTHER: OOO

Card 3/3

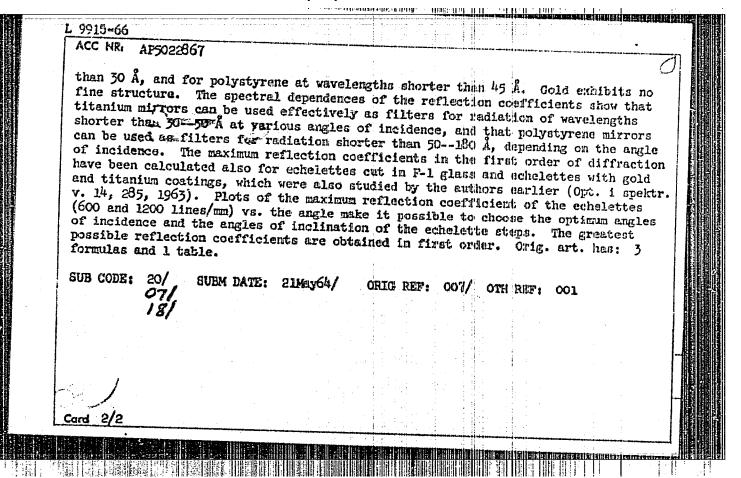


L 6458-66 EWA(k)/EWY(m)/EWF(1)/EWP(b)/EWY(1)/EWP(m) ACCESSION NR: 四/0181/65/007/008/2355/2361 44 55 A.; Goganov, D. A.; Lukirnkiy, A. H. ... TITLE: Investigation of x-ray spectra of silicon in capstalline viterous quartz and lithium silicate glasses SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2355-2561 TOPIC TAGS: silicate glass, lithium glass, quartz, silicon, x ray diffraction study, diffraction grating, absorption spectrum, emission spectrum ABSTRACT: The authors investigated the LTI, III emission and absorption spectra of silicon in quartz and glass for the purpose of determining the relative changes in the state densities and estimating the bandwidths in these solids. The measurements were made with a diffraction-grating spectrometer with sufficiently high resolution (~0.2 ev), described by one of the authors earlier (Lukirskiy, Ezv. AN SSSR ser. fiz. v. 25, 913, 1961). The width of the filled states of Si in Sion was found to be 12.5 ± 0.5 ev. The details of the absorption and reflection spectra of the quartz and the lithium-silicate clauses are deligenfuld. The tests have shown that both the eminsion and the absorption spectra coincide. It is concluded from the rest that the occupied band, the forbidden band, and the conduction band of Si have the same shape and positions, and consequently are determined Card 1/2 

CIA-RDP86-00513R001962910008-5 "APPROVED FOR RELEASE: 03/15/2001



9915-66 ETT(1)/ETP(e)/ETT(m)/ETP(i)/ETP(i) LHB/RM/WH SOURCE CODE:   IM/COS1/65/019/003/C425/0425/0425/0425/0425/0425/0425/0425/0	



AUTHOR: Lukirskiy, A. P. (deceased); Yershov, Q. A.; Zimkina, T. M.; Savinov, Ye. P. ORG: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudarstvennyy universitet)  TITLE: Spectral dependences of the absorption, reflection, and photoemission coefficients of LiF in the range from 60 to 120 ev  SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1767-1790  TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of LiF in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. 1 spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline LiF films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from 60 to 60 ev. The	L 41590-66 EWT(1)/EWI(m)/EWP(t)/ETI IJP(c) JD/JW/JG ACC NR: AP6018540 SOURCE CODE: UR/0181/66/008/006/J	1787/1790
ORG: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudarstvennyy universitet)  TITLE: Spectral dependences of the absorption, reflection, and photoemission coefficients of LiF in the range from 60 to 120 ev  SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1767-1790  TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of LiF in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from 60 to 80 ev. The		
TITIE: Spectral dependences of the absorption, reflection, and photoemission coefficients of Lif in the range from 60 to 120 ev  SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1787-1790  TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of Lif in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. 1 spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates. Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from 60 to 80 ev. The		
SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1737-1790  TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of Lif in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from ~60 to ~80 ev. The	ORG: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudarstveruniversitet)	элуу
TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of Lif in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from 60 to 80 ev. The	TITIE: Spectral dependences of the absorption, reflection, and photoemission cients of LiF in the range from 60 to 120 ev	coeffi-
TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quantum yield, bremsstrahlung, x ray diffraction study, spectral distribution  ABSTRACT: In order to study the fine structure of the absorption edge, the authors measured the coefficients of absorption, reflection, and the quantum yield of Lif in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from 60 to 80 ev. The	SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1787-1790	
measured the coefficients of absorption, reflection, and the quantum yield of hir in the range 60 - 120 ev, which has not been thoroughly investigated in the past. The measurements were made with an x-ray spectrometer with diffraction grating using the bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for its use and for elimination of higher-order diffraction spectra were described elsewhere (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples were thin polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose substrates Sharp fluctuations of the absorption coefficient, which exactly duplicate fluctuations in the spectral dependence of the quantum yield, were observed in the region of the absorption K edge of the lithium ion over a section extending from ~60 to ~80 ev. The	TOPIC TAGS: lithium fluoride, absorption coefficient, absorption edge, quanti bremsstrahlung, x ray diffraction study, spectral distribution	
Card 1/2	ABSTRACT: In order to study the fine structure of the absorption edge, the armeasured the coefficients of absorption, reflection, and the quantum yield of the range 60 - 120 ev, which has not been thoroughly investigated in the past measurements were made with an x-ray spectrometer with diffraction grating us bremsstrahlung spectrum of a tungsten anode. The apparatus and procedures for use and for elimination of higher-order diffraction spectra were described el (Opt. i spektr. v. 19, 433, 1965 and earlier papers). The tested samples wer polycrystalline Lif films deposited by vacuum evaporation on nitrocellulose spectral described el the control of the absorption coefficient, which exactly duplicate flustrations of the absorption coefficient, which exactly duplicate flustrations are considered by the quantum yield, were observed in the region	The ing the rits sewhere e thin ubstrates ctuations of the
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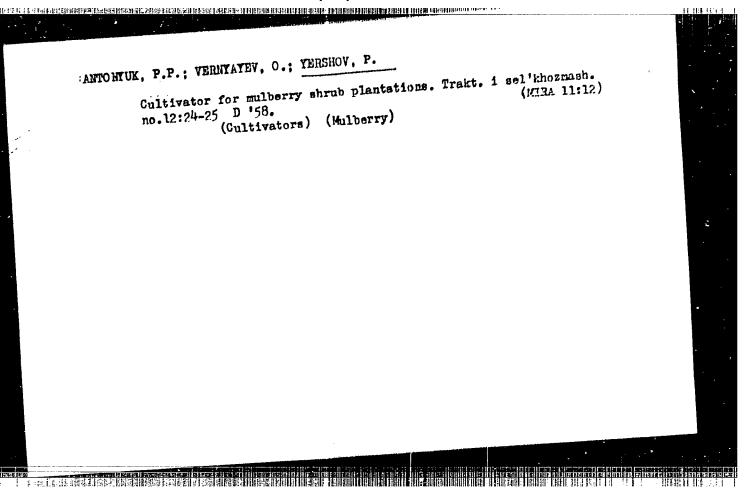
large values of the quantum yield (more than 50%) and its correlation with the absorption coefficient indicate that the fundamental role in the photoemission near the absorption edge is played by Auger electrons. The spectral dependence of the reflection coefficient also displays a fine structure near the K edge, and agrees qualitatively with the fine structure of the absorption spectrum. However, no exact correlation is observed between the absorption and reflection coefficients, in view of the complicated relation between them via the refractive index. The authors thank A. M. Rumsh for a discussion of the results and S. A. Gribovskiy and N. N. Ivanchik for help with the reduction and presentation of the results. Orig. art. has: 1 figure and 1 table.

SUB CODE: 20/ SUBM DATE: 03Nov65/ ORIG REF: 008/ OTH REF: 006

Card 2/2

SOURCE CODE: UR/0181/66/008/007/2137/2142 ACC NRI AP6024479 AUTHOR: Yershov, O. A.; Lukirskiy, A. P. (deceased) ORG: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudarstvennyy universitet) N TITLE: Investigation of the energy structure of Si and SiO, from the emission and absorption spectra in the region of ultrasoft x radiation SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 2137-2142 TOPIC TAGS: emission spectrum, absorption spectrum, x ray spectrum ABSTRACT: The results reported in the present article were published in part in an earlier paper (FTT v. 7, 2355, 1965), which gave the L<sub>TT</sub> III emission band in a small section of the L<sub>TT</sub> IIII absorption spectrum of Si and SiO<sub>2</sub>. The present article contains all the remaining data concerning the L emission and absorption spectra of Si and Si in SiO2, and also the K emission and absorption spectra of O in SiO2. The samples were prepared in the same manner as in the earlier paper and the test procedure was that described in a separate paper (FTT v. 6, 43, 1964). Plots are presented of the emission spectra of pure silicon, the absorption spectra of Si and SiO2 and the dependence of the transmission of a thin Si layer on the energy of the incident quantum in the region of  $L_{\rm II}$ ,  $_{\rm III}$  absorption edge in  ${\rm Si0}_2$ . The energy level <u>Card</u> 1/2

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schemes of Si and SiO <sub>2</sub> are deduced on the basis of the results. Or figures and 1 table								nas: 2	י
SUB CODE: 20/	SUBM DATE:	21Dec65/	ORIG REF:	002/ 01	TH REF:	015/			
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27-8-15/32 USSR/Schooling (Shipbuilders) SUBJECT: Ershov, P., Instructor, Trade School No. 17 (Gor'kiy Oblast') AUTHOR: Visual Aids for Ship Boiler- and Hull Makers Naglyadnyye poso-TITLE: biya dlya Kotel'shchikov-sudokorpusnikov). Professional no - Tekhnicheskoye Obrazovaniye, Aug. 1957, 8, PERIODICAL: pp 23-24 (USSR) This Trade School trains workmen for the river fleet, in particular ship boiler- and hull makers. The school has experienc-ABSTRACT: ed a need for a number of instructional models of ship construction and the question of model making. The article contains 2 photos. Remeslennoye Uchilishche # 17(Gor'kovskaya Oblast') Trade INSTITUTION: School # 17 (Gor'kiy Oblast') PRESENTED BY: SUBMITTED: At the Library of Congress AVAILABLE: Card 1/1

YERSHOV, P., inzh.

Wood-cement slahe and blocks. Zhil.stroi. no.1:7-9 Ja '60.
(HIRA 13:5)

(Lightweight concrete) (Wood waste)

ANTONYUK, P.P.; YERSHOV, P.G.; VERNYAYEV, O.V.

KSSh-5 mounted wide-range orchard cultivator. Trakt. 1 sel'khozmash.
no.4:36-37 Ap '59. (MIRA 12:5)

1.Zavod "Krasnyy Aksay."
(Cultivators)

CHIZHOY,D.G.; KOGTEV,G.I.; LAVREMENKO,K.D.; SPIRIN, S.A.; NHKRASOV,A.M.; IVANOV,

M.I.; UFATEV,M.Ya.; GRISHIN, I.K.; KOSTIN,M.F.; POPOV,V.A.; ZAGGROUDIKOV,

P.I.; PEDOTOV, P.B.; KAZ'MIN, A.V.; FOMICHEY, G.I.; IRRSHOV, P.I.;

MESHICHERYAKOV,V.I.; YEFMEMOV,S.G.; LEVIN, I.S.; IZENUCHEV, T.T.;

Nikolai Alekseevich Andreev. Energetik 4 no.9:40 S '56. (MLRA 9:10)

(Andreev, Nikolai Alekseevich, 1896-1956)

SIMONOV, P.V.; VALUYEVA, M.N.; YEESHOV, P.M.

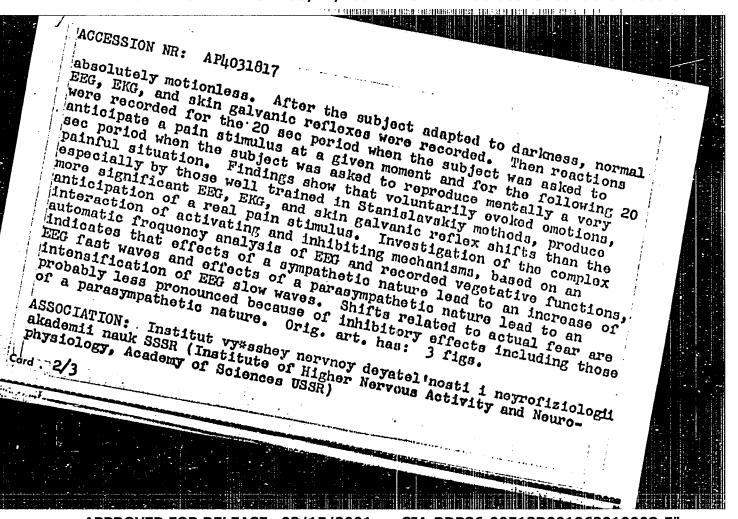
Voluntary regulation of the galvanic skin response. Vop. psikhol.
10 no.6:45-50 N-D '64. (MIRA 18:2)

1. Institut vysehey nervney deyatel nesti i neyrofiziologii AN SSSR,
Moskva.

5/0247/64/014/002/0204/0210 AP4031817 ACCESSION NR: Simonov, P. V.; Valuyeva, M. N.; Yershov, P. M. AUTHOR: TITLE: Certain characteristics of voluntary and involuntary emotional reactions of man Zhurnal vy\*sshey nervnoy deyatel nosti, v. 14, no. 2, 1964, SOURCE: 204-210 TOPIC TAGS: voluntary emotional reaction, involuntary emotional reaction, EEG shift, EKG shift, skin galvanic reflex shift, pain stimulus, activating mechanism, inhibitory mechanism, sympathetic nervous system, parasympathetic nervous system ABSTRACT: The voluntary and involuntary reactions of 21 drama students were investigated in two experimental series. In the first

students were investigated in two experimental series. In the first series the subject was asked to anticipate a painful stimulus at a given moment, and in the second series the subject was asked to reproduce mentally a very painful situation knowing for certain that no pain stimulus would follow. During the experiment the subject was seated in a dark chamber with eyes closed and was required to remain

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PROMEVICH, V.P., inzhener; YERSHOV, P.N., inshener; KCELOV, I.M., arkhitektor

Plans for housing and public buildings designed by the State Institute of Planning for the Forest Industries. Rats. 1 isobr., predl. v stroi. no.102:5-9 '55. (MIRA 8:10)

(Buildings, Prefabricated)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

TERSHOV. P.U.; BAKHTNYAHOV, V.D., red.; MIXTTIMA, L.V., red. izd-ve.;

BACHURINA, A.M., tekhn. red.

[Model houses for logging camps; "Lumber industry and forestry" pavilion] Standartnye dome dlia leaczagotovok; pavilion "Lesnata promyshlennost' i lesnae khoziaistvo." [Moskva] N-vo leenoi oromyshl. SSSR [1957] 11 p.

1. Moscow. Vgesoyuznaya promyshlennaya vystavks.

(Lumber camps)

(Lumber camps)

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YERSHOV, P.N., red.; DOLGOV, A.I., red.; NIKIFOROV, A.S., red.; POZDEYEV, M.V., red.; SKOBLOV, D.A., red.; PHULHIKOVA, M.N., red.; TEMKINA, Ye.L., tekhn.red.

[Proceedings of the section on standard housing construction and furniture] Sektsiia standartnogo domostroeniia i mebeli. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1958. 212 p. (MIRA 12:5)

1. Vsesoyuznoye soveshchaniye po stroitel'stvu. 3rd, Moscow, 1958. 2. Nachal'nik otdela standartnogo domostroyeniya Ministerstva lesnoy promyshlennosti RSFSR (for Yershov). 3. Zaveduyushchiy laboratoriyey derevoobrabatyvayushchikh stankov i potochnykh liniy v derevoobrabotke TSentral'nogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki dereva (for Dolgov). 4. Zamestitel' nachal'nika otdela standartnogo domostroyeniya Ministerstva lesnoy promyshlennosti RSFSR (for Pozdeyev). 5. Glavnyy ekapert Gosstroya SSSR (for Skoblov).

(Buildings, Prefabricated) (Furniture)

YERSHOV, Pavel Nikolavevich; POSTRELOV, G.A., red.; VOLOB YHVA, N.N.,

[Using Portland coment fibrolite slabs in standard housing construction] Fibrolitevye plity na portland-tsemente v standartnom domostroenii. Moskva. NSentr. biuro tekhn.informatsii lesnoi promyshl., 1958. 6 p. (MIRA 12:1) (Sillimanite) (Building blocks)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

ALABYAN, K.S.[docesed]; BLCKHIN, P.N.; BOTVINKO, M.Ye.; DEVYATKOV, G.V.; DMITRIYEV, A.D.; YERSHOV, P.N.; ZAYTSEV, A.G.; KIBIREV, S.F.; KOSTYUKOVSKIY, M.G.; KUZNET3OV, B.T.; L'VOV, G.N.; MOGIL'NYY, A.I.; ORLOV, G.M., OVSYAH-NIKOV, K.L.; PROMYSLOV, V.F.; SMIRNOV, N.N.; SKACHKOV, I.A.; SOLOF-NENKO, N.A.; SUSNIKOV, A.A.; CHAGIN, D.A.; KUCHERENKO, V.A., obshchiy red.; GRISHMANOV, I.A., obshchiy red.; SVETLICHNYY, V.I., obshchiy red.; RUBANENKO, B.R., obshchiy red.; BARSKOV, I.M., red.; UDOD, V.Ya., red.izd-va; YUDINA, L.A., red.izd-va; (OLOVKINA, A.A., tekhn. red.

[Building practices in foreign countries; Northern Europe and German Federal Republic] Opyt stroitel'stva za rubezhom; v stranakh Severnoi Evropy i FRG. Po materialam otchetov delegatsii sovetskikh spetsialistov-stroitelei. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 598 p. (MIRA 12:12)

1. Predsedatel' Gosstroya SSSR (for Kucherenko). 2. Zamestitel' predsedatelya Gosstroya SSSR (for Svetlichnyy).

(Europe, Western-Building)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

YERSHOV, Petr Nikolayevich; GLEBOVA, L., red.; GERASEVICH, Z., tekhn. red.

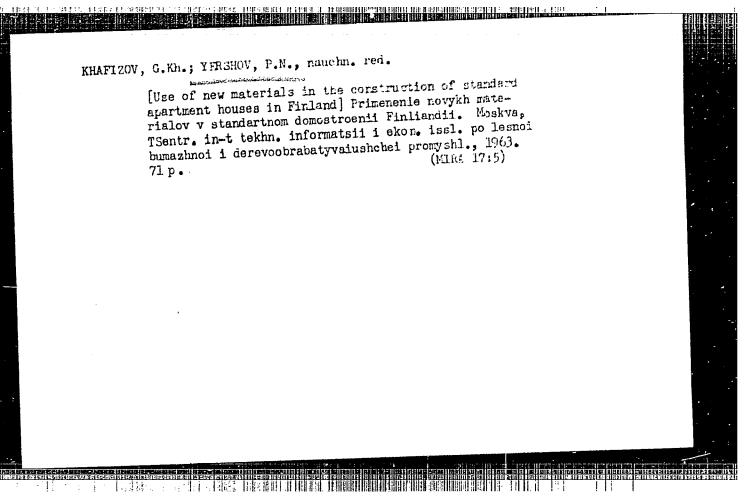
[Chemical rainbow] Khimicheskaia raduga. Kemerovo, Kemerovoskoe knizhnoe izd-vo, 1962. 181 p. (MIRA 16:7) (Dyes and dyeing)

POZDEYEV, Nikolay Vasil'yevich; YERSHOV, P.N., red.; GUSHCHINA, R.N., red.izd-va; GRECHISHCHEVA, V.T., tekks; red.

[Manufacture and use of fiberboard] Proizvodstvo 1 primenenie fibrolitovykh plit. Moskva, Goslesbumizdat, 1963.

(NIRA 16:10)

90 p. (Fiberboard)



- SAMARIN, I. YA. YERSHOV, P. P.
- USSR (600)
- Stokers, Mechanical
- Feeding fuel into boiler fusances with mechanical stokers. Masl. zhir-prom. no. 9: S 52

Monthly List of Russian Accessions, Library of Congress, Feb. 1953. Unclassified.

[Handbook of the industry's time standards for repairing equipment and organizing the repairing of catalytical cracking units]

Spravochnik otraslevykh norm vremeni na remont tekhmologicheskogo oborudovaniia i po organizatsii remonta ustanovok kataliticheskogo

krekinga . Moskva, Gos. nauchno-tekhn. izd-vo neft. i gornotoplivnoi lit-ry, 1961. 121 p. (MIRA 14:9)

1. Moscow. TSentral'noye byuro promyshlennykh normativov po trudu. (Cracking process)

BURDYUKOV, Rafail Borisovich; SMIRNOV, L.P., red.; YERSHOV, P.R., ved. red.; TROFIMOV, A.V., tekhn. red.

[Tables of normal gravity values] Tablitsy normal'nyth znachenii sily tiazhesti. Moskva, Gos. nauchno-tekhn. 1zd-vo naft. i gorno-toplivnoi lit-ry, 1961. 113 p. (MIRA 14:11)

(Gravity—Tables, etc.)

YERSHOV, P.R., vedushchiy red.; POIOSINA, A.S., tekhn. red.

[Automatic control of deep drilling; transactions of the conference held in August 1960 by the All-Union Desgin and Planning Scientific Research Institute for Drilling Oil and Gas Wells] Avtomatizateila protessave glubokogo bureniia; trudy soveshchaniia ve WNIET v avguste 1960 g. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 122 p.

[MIRA 14:9]

[A. Vessoyusnyy nauchno-issledovatel'skiy institut burovoy tekhniki. (Oil well drilling) (Automatic control)

VESELOV, A.G., red.; YERSHOV, P.R., ved. red.; MUKHINA, E.A., tekhn.
red.

[Stendard job classification mamual; mixed occupations]
Edinyi tarifno-kvalifikatsionnyy apravochnik rabochikh;
skvoznye professit. S prilozheniem dopolnenii i iznenenii...
ot 23 innvaria 1960 g. No.90/P-1 i ot 8 sentiabria 1960 g.
No.1098/P-21. Moskva, Gostoptekhizdat, 1961. 684 p.
(MIRA 15:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po voprosam truda i zarabotnoi platy.
(Occupations-Classification)

ERO), I.O.[deceased]; VASIL'YEV, V.G.; VYSOTSKIY, I.V.; KRAVCHENKO, K.N.; LEVINSON, V.G.; L'VOV, M.S.; OLEMIN, V.B.; SOKOLOV, B.A.; YERSHOV, P.R., ved. red.

[Oil- and gas-bearing basins of the earth] Keftegazonosnye basseiny zemnogo shara. [By] I.O.Brod i dr. Moskva, (MIRA 18:3)

YERSHOV, R.Ye.
USSR/ Physics - Magnetization curve

FD-1048

Cará 1/1

Pub. 153 - 19/23

Author

Yershov, R. Ye.

Title

Influence of a circular field upon the form of the curve of longitu-

dinal magnetization

Periodical:

Zhur. tekh. fiz., 24, 1508-1512, Aug 1954

Abstract

Discusses: variation of the initial part of the curve with growth of field; dependence of the magnetization on field for various longitudinal fields; dependence of susceptibility on field in the presence and absence of circular field; dependence of magnetization on curvature of curve in the presence of the circular field; and dependence of magniture in the presence of the circular field in a core for various primary currents. Notes that the transverse case was studied in 1944 at the Gor'kiy Fiziko Technical Institute, under guidance of

Gorelik.

Institution:

Submitted

31 December 1953

#### "APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5 ESPRACE CONTRACTOR CONTRACTOR OF THE CONTRACTOR

s/139/60/000/006/008/032 E032/E414

AUTHOR:

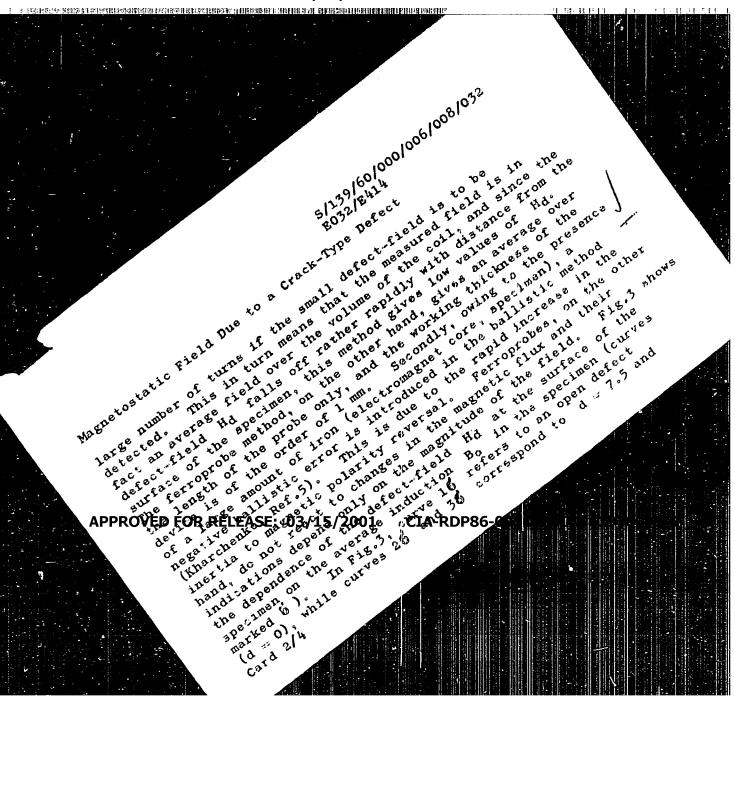
Yershov, R.Ye.

Magnetostatic Field Due to a Crack-Type Defect

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,

1960, No.6, pp.59-63

An experimental study is reported of the effect of crack-type defects in magnetized specimens on the magnetic field outside the specimen. The specimen investigated was in TEXT: the form of a silicon iron plate containing 1.17% Si (120 mm long, 80 mm wide and 45 mm thick). The defect was imitated by a rectangular gap (26 x 1 mm) at the centre of the specimen and perpendicular to its longitudinal axis. The arrangement is illustrated in Fig.1, where 1 is the specimen, 2 the coils and 3 the electromagnet pole pieces. The coils on the end of the specimen were used to produce uniform magnetization over the The field above the defect was measured with the aid of "ferroprobes" as described by Vlasov and Yershov In the present case, the ferroprobe method has the following advantages over the usual ballistic method. In the case of the ballistic method, the measuring coil must have a Card 1/4



S/139/60/000/006/008/032 E032/E414

Magnetostatic Field Due to a Crack-Type Defect

26.4 mm respectively. The curves marked a refer to the average permeability in the covering layer for d = 0, 7.5 and 26.4 mm respectively. It is concluded that the field due to a covered defect appears only for a certain definite value of the magnetization of the specimen. This is associated with the screening effect of the covering layer. The rate at which the defect field increases with the average magnetization of the specimen depends on the ratio of the magnetic reluctances of the defect and the metal layers in its immediate neighbourhood. There are 4 figures and 10 Soviet references.

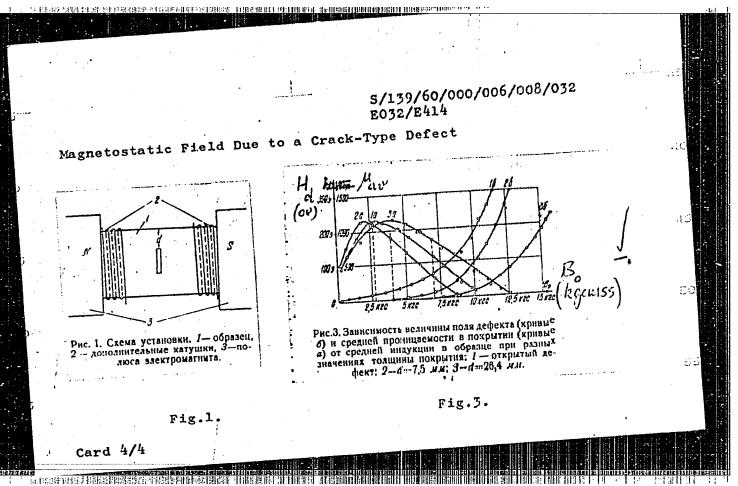
ASSOCIATION: Institut fiziki AN SSSR g. Krasnoyarsk

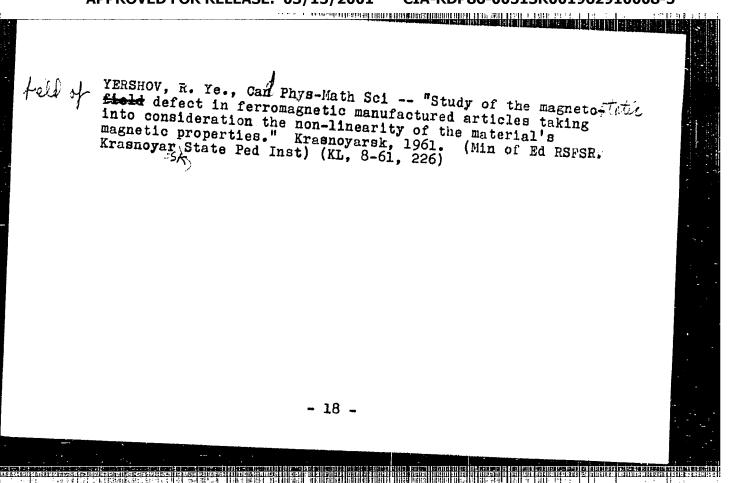
(Institute of Physics AS USSR, Krasnoyarsk)

SUBMITTED: December 4, 1959 (initially)

June 6, 1960 (after revision)

Card 3/4





YERSHOV, R.Ye.

Nonlinear calculations for magnetic flaw detection in the range of medium and strong fields (102 - 103 oersteds) and their experimental verification. Izv.vys.ucheb.zav.; fiz. no.3:122- (MIRA 14:8)

1. Krasnoyarskiy institut fiziki.
(Magnetic fields) (Magnetic testing)

s/139/62/000/001/028/032 E073/E535

AUTHORS:

Yershov, R.Ye.

TITLE:

Non-linear calculations in magnetic defectoscopy for the range of medium and strong fields ( $10^2 - 10^3$  Oe) and their experimental verification

PERTODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no.1, 1962, 162-166

TEXT: In an earlier paper (Ref.1: Izvestiya vuzov SSSR, Fizika, No.3, 122, 1961) it was shown that the field of a defect of the type represented by a transverse crack can be determined in the plane-parallel case in the range of medium and strong fields by means of the formula

$$H_{d} = \frac{H_{av}}{1 + d/h} \tag{1}$$

where H - field inside the defect assumed as being uniform, d - thickness of the layer covering it, h - width of the defect. The quantities d and h are determined by the dimensions of the Card 1/2

#### "APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5 रितर्भा संस्थान स्थानकार के तो अन्य । अस्ति । अस्ति का सम्भावन सम्भावन स्थान स्थान स्थान स्थान स्थान स्थान स्थ स्थान

5/139/62/000/001/028/032 Non-linear calculations in ... E073/E535 Therefore, calculadefect and its location inside the component. Increme, calculation of H according to Eq.(1) reduces to determining the field tion of H according to Eq.(1) accorded to solving this problem inside the defect. This paper is devoted to solving the mith and to comparing the restriction of the solution of H with and to comparing theoretically calculated values of light experimentally obtained values. A transcendental equation is obtained and by solving it according to the "regula falsi" method, Il can be calculated as a function of the magnetic state of the specimen at a distance from the defect, the geometry state of the specimen at a distance from the defect, the secondary of the specimen and the properties of the material and, following that, the magnitude of the field of a transverse crack-type defect can be calculated according to Eq.(1). Experimental verification of the results shows that the obtained results differ from theoretical values by a factor of 1.5 to 2 as compared to differences by a factor of 6 to 8 in the case of linear methods Institut fiziki SO AN SSSR, Krasnoyarsk (Institute of Physics SO AS USSR, Krasnoyarsk) of calculation.

ASSOCIATION:

(Initially)

June 20, 1960 July 27, 1961 (after revision) SUBMITTED:

card 2/2

CIA-RDP86-00513R001962910008-5" APPROVED FOR RELEASE: 03/15/2001

DEOKIN, A.I.; CHERKASHIN, V.S.; SMOLIN, R.P.; YERSHOV, R.Ye.

No-hysteresis magnetization curves for ferromagnetic retals
and alloys. Izv. AN SSSR. Ser. fiz. 26 no.2:291-295 F 162.

1. Institut fiziki Sibirskogo otdeleniya AN SSSR. (Ferromagnetism)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

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YERSHOV, R. Ye.

Nonlinear calculations in magnetic defectoscopy for the range of medium and strong fields (102-103 3) and their experimental vertification. Part 2. Izv.vys.ucheb.zav.; fis. no.1:162-166 '62. (MIRA 15:6)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk. (Magnetic testing)

ACCESSION NR: AP4018385

S/0120/64/000/001/0176/0177

AUTHOR: Yershov, R. Ye.; Rodicheva, E. K.: Volgina, Z. M.

TITLE: Using ferroprobes in determination of magnetic rigidity of thin ferromagnetic films

SOURCE: Pribory\* i tekhnika eksperimenta, no. 1, 1964, 176-177

TOPIC TAGS: ferroprobe, magnetic rigidity, ferromagnetic film, gradient meter

ABSTRACT: Using the measuring circuit suggested by F. Förster (Z. Metallkunde, 1955, 46, no. 5, 358), a series of tests was conducted with a gradient meter. The latter consisted of two "half-probes," each having a gradient meter. The latter consisted of two "half-probes," each having a primary and a secondary of 660 turns and an 80NKhS-permalloy core. A current primary and a secondary of 660 turns and an 80NKhS-permalloy core. A current of 21 ma at 23.5 kc was used. The magnetic rigidity was determined on the basis of measuring the demagnetizing field necessary to compensate for the

#### CIA-RDP86-00513R001962910008-5 "APPROVED FOR RELEASE: 03/15/2001

ACCESSION NR: AP4018385

residual magnetism in the thin-film specimen. Orig. art. has: 4 figures.

ASSOCIATION: Institut fiziki SO AN SSSR (Institute of Physics, SO AN SSSR)

SUBMITTED: 07Feb63 DATE ACQ: 18Mar64 ENGL: 00

SUB CODE: PH NO REF SOV: 000

OTHER: 002

Card 2/2

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3/0048/64/028/004/0751/0755

ACCESSION NR: AP4030657

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TITLE: On the angular dependence of alternating field demagnetization Report, Sym-AUTHOR: Yershov, R. Ye. posium on Ferromagnetism and Ferroelectricity held in Leningrad 30 May-5 June 1963/

SOURCE: AN SSSR. Izv.Ser.fiz., v.28, no.4, 1964 751-755

TOPIC TAGS: ferromagnetism, demagnetization, alternating field demagnetization, demagnetization anisotropy, cobalt

ABSTRACT: The author has previously found that the efficiency of an alternating magnetic field gradually reduced to zero for demagnetizing magnetite specimens depends on the angle between the initial magnetization and the demagnetizing field. The demagnetizing effect of an alternating field of fixed initial strength is greatest when it is parallel to the initial magnetization, and least when it is perpendicular thereto. The author refers to this phenomenon as the "uniaxial anisotropy of demagnetization." In order to determine whether demagnetization is also anisotropic in pure ferromagnetic metals, the effect was investigated in the case of 10 mm diameter 0.34 mm thick cobalt discs, electrolytically deposited on copper and subsequent-

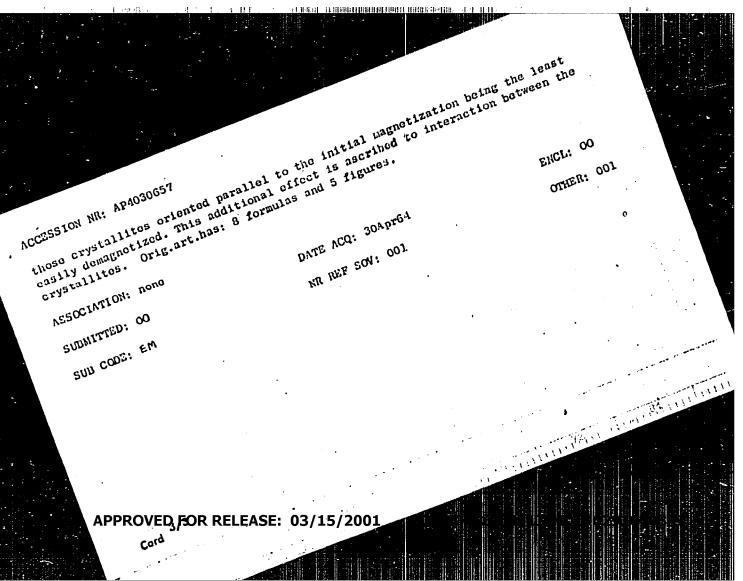
Card 1/3

CIA-RDP86-00513R001962910008-5" **APPROVED FOR RELEASE: 03/15/2001** 

ACCESSION NR: AP4030657

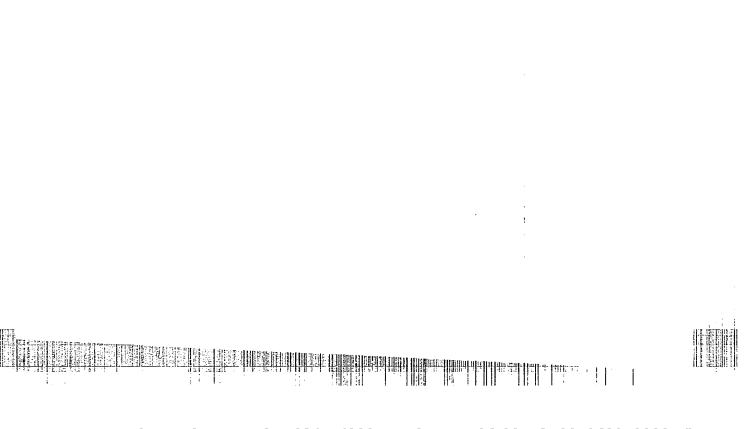
ly stripped from the copper base. Microscopic examination of the discs showed the crystallites to measure 0.01 mm on the average, and x-ray studies showed them to be randomly oriented. The coercive force was 109 Oe. Demagnetization anisotropy was observed in the cobalt discs. The ratio of the reduction of the magnetization produced by a small alternating demagnetizing field parallel to the initial magnetization, to the reduction produced by an equal demagnetizing field perpendicular thereto, was about 1.6, when the initial magnetization was 100 gausses. This ratio was smaller for greater initial magnetizations. The dependence of the demagnetizing efficiency on the angle between the demagnetizing field and the initial magnetization is calculated from the following assumptions: 1) each crystallite has a single axis of easy magnetization; 2) these axes are randomly oriented; 3) each crystallite is magnetized, if at all, in the direction of its easy axis; 4) the domagnetizing effect on a single crystallite of the alternating demagnetizing field is proportional to the component of the demagnetizing field in the direction of the axis of the crystallite. It is found that in order to obtain agreement with experiment for large values of the initial magnetization, it is necessary to assume, in addition to 4), that the demagnetizing effect on a single crystallite depends also on the angle between the axis of the crystallite and the direction of the initial magnetization,

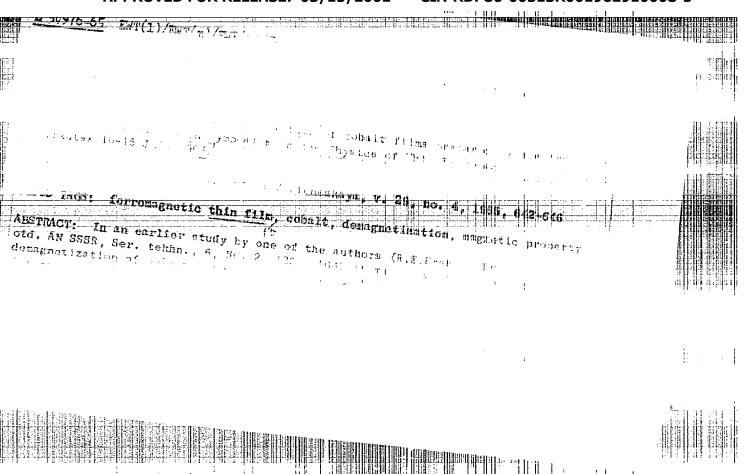
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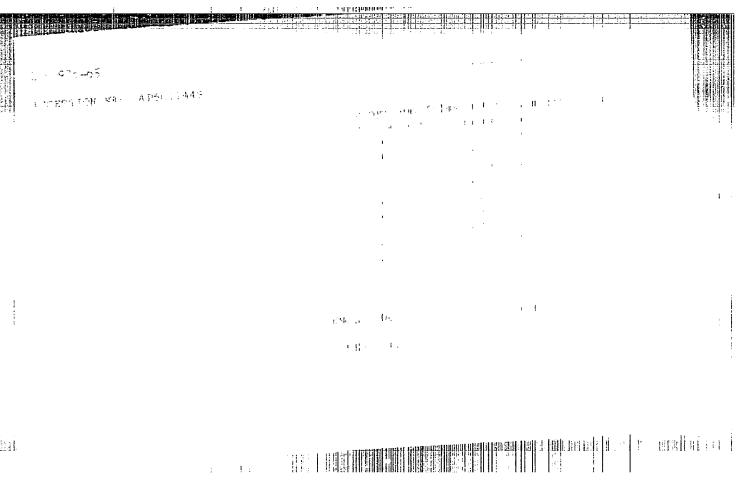


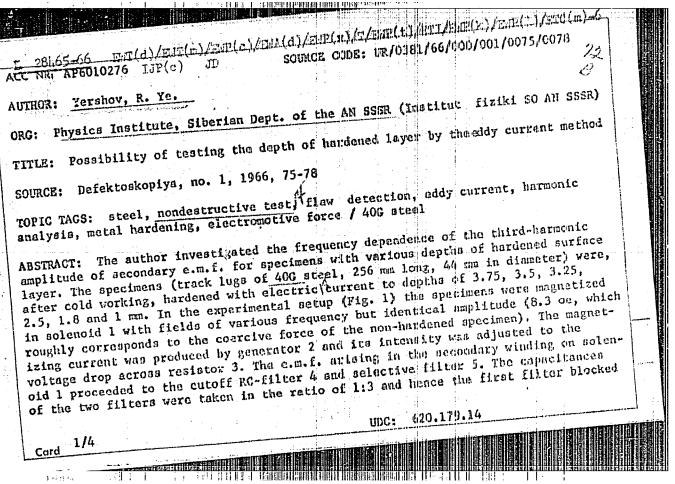
magnetic moment, vector fer, demagnetization curve

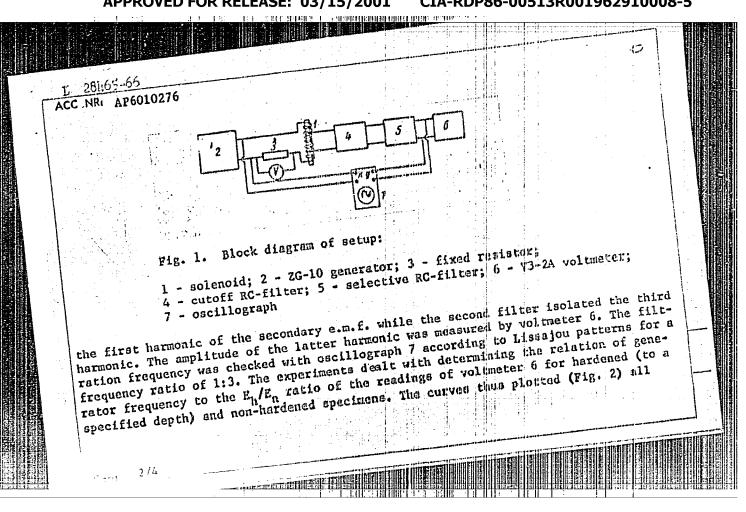
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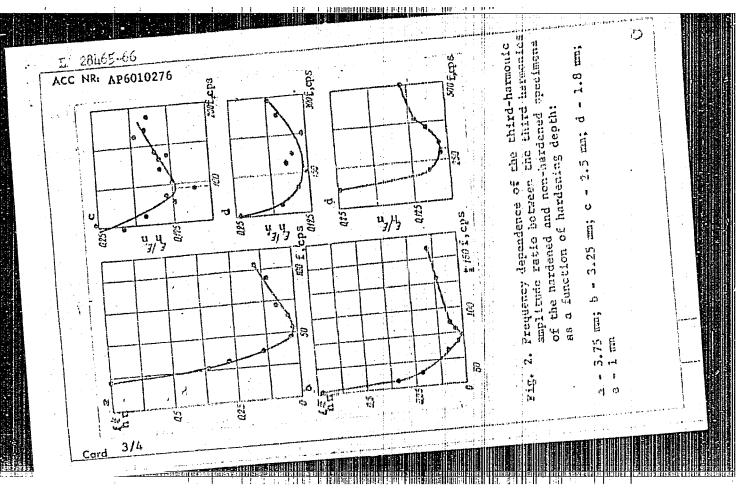


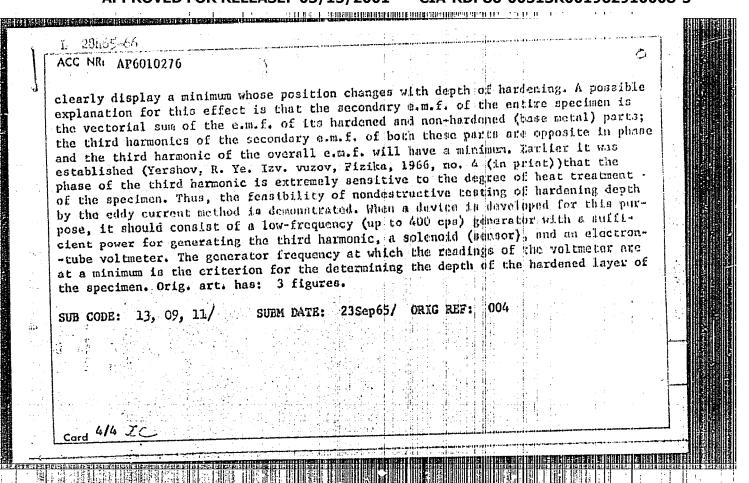




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· BALLER BEST RESERVED BETTERFORM THE BEST STREET OF THE STREET 67755 SOV/126-8-5-7/29 Vlasov, V.V., and Yershov, R.Ye. 2400 On the Dependence of a Crack-type Defect Field on the AUTHORS: Thickness of the Metal Layer Covering It PERIODICAL: Fizika metallov i metallovedeniye, Vol 8, 1959, Nr 5, pp 689-693 (USSR) ABSTRACT: On the basis of an experimental and theoretical investigation of the dependence of the field of a cylindrical defect on its depth of location, cylindrical defect on its depth of location, a.P. Sapozhnikov (Ref 2) concluded that the leakage field is caused not only by the walls of the defect but also by the metal located above it. Therefore, with decreasing thickness of the layer above the defect, the intensity of the defect field should increase, but only intensity of the defect field should increase, but only until the defect zone of the metal is directly affected. In the case of an open defect, such a zone is completely absent and the defect field can be smaller still. verify this result, the authors studied artificial defects which were covered with magnetically differing layers (Refs 7,8,9). The main drawback of these earlier experiments was that the defect was covered by a Card separate piece of metal. 1/3

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SOV/126-8-5-7/29

On the Dependence of a Crack-type Defect Field on the Thickness of the Metal Layer Covering It

experiments are described with strongly work-hardened 1% Si-steel plates 120 x 80 x 9 mm. In these, the defect (25 x 1.3 mm) simulating the transverse crack was located in the centre of the plate (Fig 1) with its length in the transverse direction and its breadth (1.3 mm) in the direction of the longitudinal axis. The plate was placed between the poles of an electro-The dependence of the tangential component of the defect field H on the induction B in the plate for thicknesses of the material above the defect of O, 2.5, 7.4 and 28.3 mm, is plotted in Fig 3. Fig 4 shows similar curves for a defect breadth of 0.24 mm in the absence of any material above the defect, and in the presence of a 1.5 mm thick layer. Further data are plotted in Fig 5. The experiments have shown that the magnetostatic field of a crack-type defect increases with decreasing thickness of the covering layer, which is in agreement with the data in the literature for the field of a cylindrical defect. The divergent results obtained in earlier work of one of the present authors

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307/126-8-5-7/29

On the Dependence of a Crack-type Defect Field on the Thickness of the Metal Layer Covering It

(Refs 7, 8) appear to be due to experimental errors. Acknowledgements are expressed to Professor R.I. Yanus for his critical comments. There are 5 figures and 9 Soviet references.

ASSOCIATION: Institut fiziki metallov AN SSSR

(Institute of Physics of Metals, Academy of Sciences, USSR)

SUBMITTED:

March 31, 1959

Card 3/3

YERSHOV, S.; MIKHAYLOV, B.

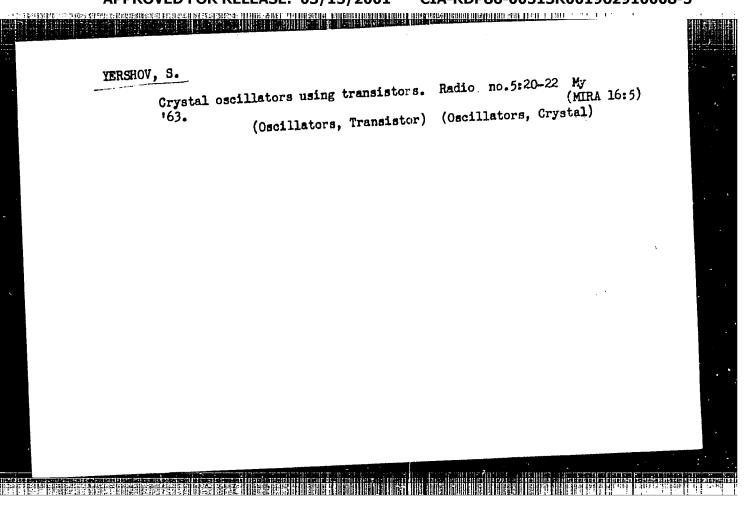
Annual plan has been overfulfilled. Sel'. stroi. 12 no.1:3-5 Ja '58.

(MIRA 17:2)

1. Hachal'nik Tambovskogo oblastnogo upravleniya po stroitel'etvu v kolkhozakh (for Yershov). 2. Glavnyy inzhener Tambovskogo oblastnogo upravleniya po stroitel'stvu v kolkhozakh (for Mikhaylov).

(Tambov Province--Farm buildings)

1,000	VSSR/ Electronics -	
	Card 1/1 Pub. 8  Authors : Yersho  Title : The or	9 _ 23/30
	Abstract : Techn balen excit	ical data are presented regarding the operation of a ring wound ced modulator utilized for the conversion of frequencies in range ers with quartz stabilization. In order to comprehend the parfort of a balanced modulator it is necessary first to analyze what i ning in a circuit consisting of an alternating white parabolish patteries and change-over switch. Diagrams.
	Institution:	
	Submitted :	
Dispersion of the contract of		



YERSHOV, S. A.

Dissertation defended for the degree of Candidate of Economic Sciences at the Institute of World Economic and International Relations 1962

"Monopolies in the Electrotechnical Industry of the U3."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

CIA-RDP86-00513R001962910008-5" APPROVED FOR RELEASE: 03/15/2001

- 1. YERSHOV, S. A.
- 2. VIII (600)
- 4. Kelif Uzboy-Antiquities
- 7. Archeological collection from the Kelif Uzboy. Izv. Turk. fil AN SSSR no. 3, 1951

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

YERSHOV, S.A.; LEONENKO, I.N.

Oil and gas potentials in the Moscow syneclise and Ryazan-Saratov trough. Mat.po geol.i pol.iskop.tsentr.raion.evrop.chasti SSSR no.5:139-142 '62. (MIRA 16:6) (Petroleum geology) (Gas, Nautral-Geology)

YERSHOV, Savva Fedorovich

[Pages of the past; an old soldier's notebook] Stranitsy proshlogo; zapiski starogo soldata. Leningrad, Lenizdat. 1962. 184 p. (MIRA 16:10)

Lenizdat, 1962. 184 p. (Russia-Army-Military life)

YERSHOV, S. I.

25888

Yershov, S. I. Bor'ba S Lichinkami Malyariynogo Komara V Golovnykh Chastyakh Osushitel'nykh Kanalov. Zdravookhraneniye Kazakhstana, 1948, No. 4, S. 30-32

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

YERSHOV, S.S. (Moskva)

Transmitting information along the electric communication charnels.

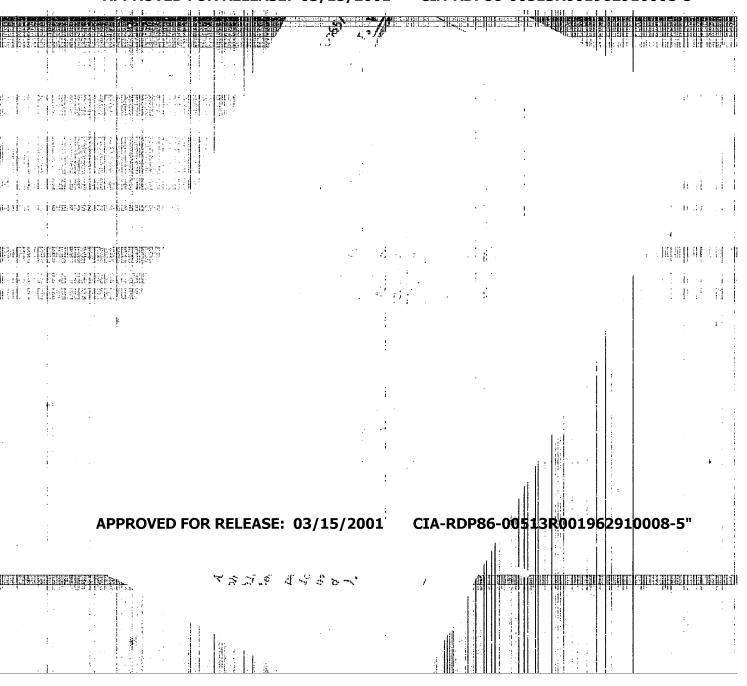
Fiz.v shkole 21 no.3:17-27 My-Je '61. (MKA 14:8)

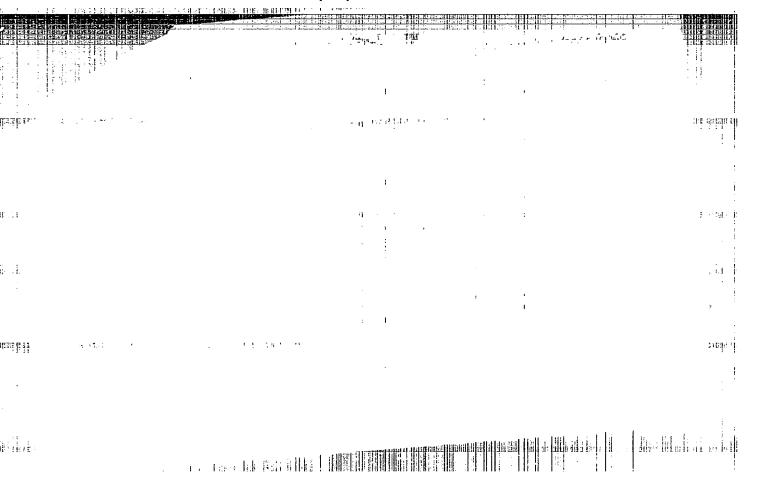
(Telecommunication)

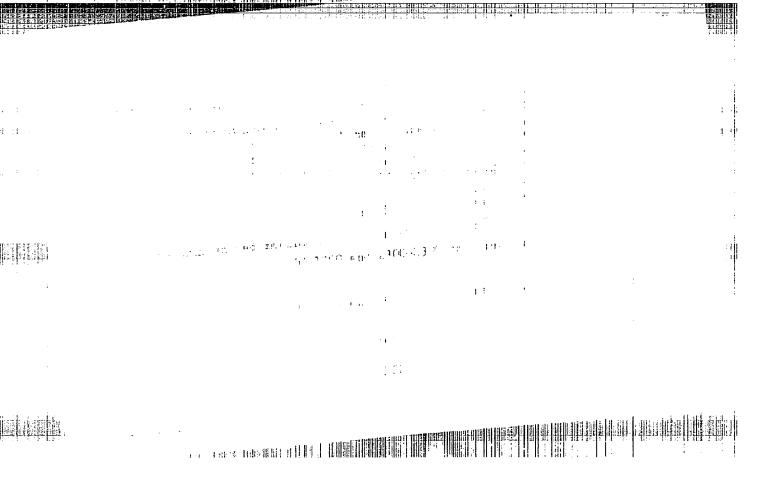
NIKITIN, V., master; ORISHKO, M., brigadir slesarey; GORYUNOV. L., slesar'; IMRSHOV, T., slesar'; ZHIGAREV, B., slesar'; KOBOVALOV, V., slesar'; TAMANOV, P., mashinist

When will the new acethylene generator be put into production?
Isobr. i rats. no.10:44 0 58. (MIRA 11:11)

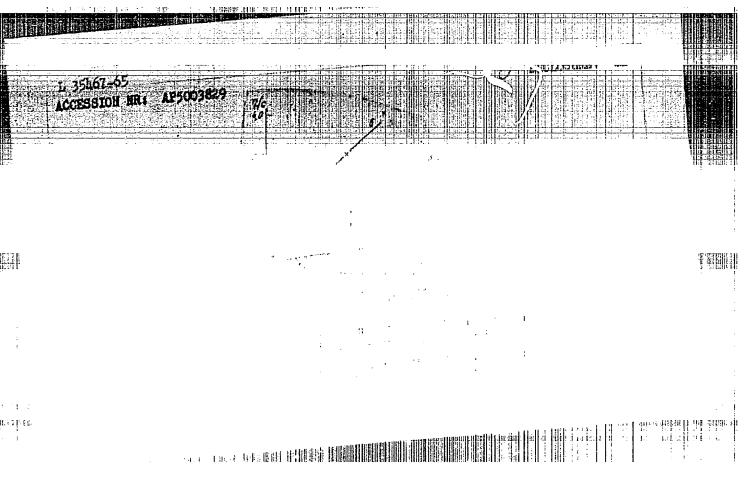
(Acethylene generators)







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- 1. YERSHOV, T.
- 2. USSR (600)
- 4. Geology and Geography
- 7. Population or Inhabitants of India, Sh. Chandrasek. T. Kershov (author of introductory articles and editor). (Moscow, 1949), Reviewed by N. M. Gol'dberg, Sov. Kniga, No. 9, 1949.

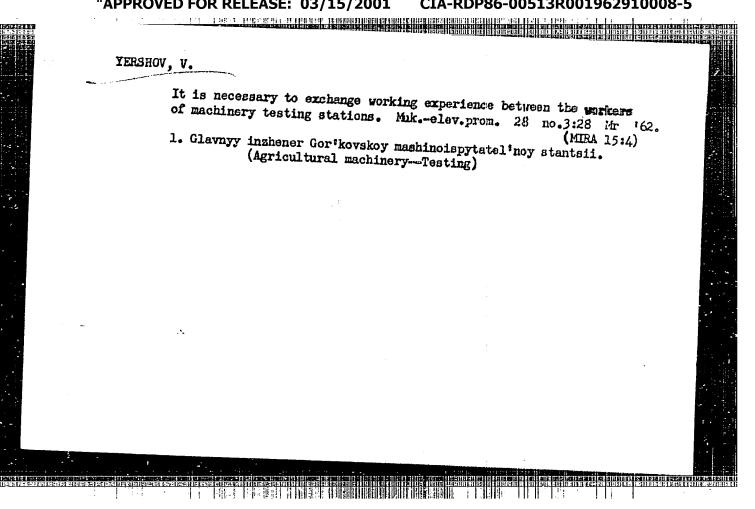
9. FDD Report U-3081, 16 Jan 1953, Unclassified.

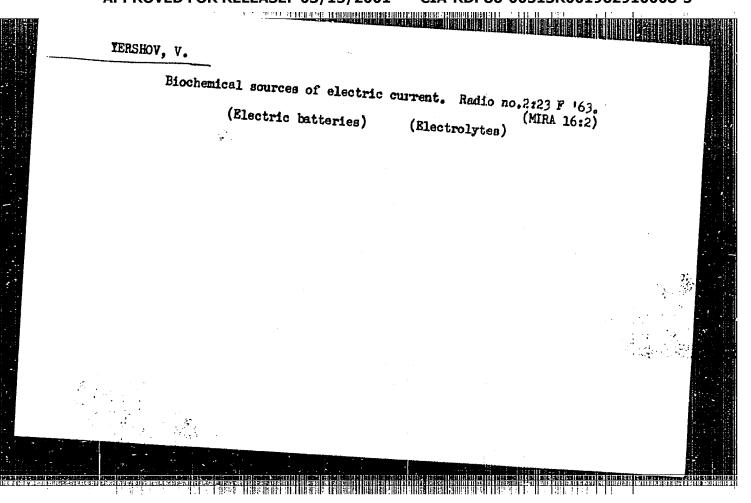
SAMISHCHENKO, S.; YERSHOV, V.; SHURTYGINA, N.

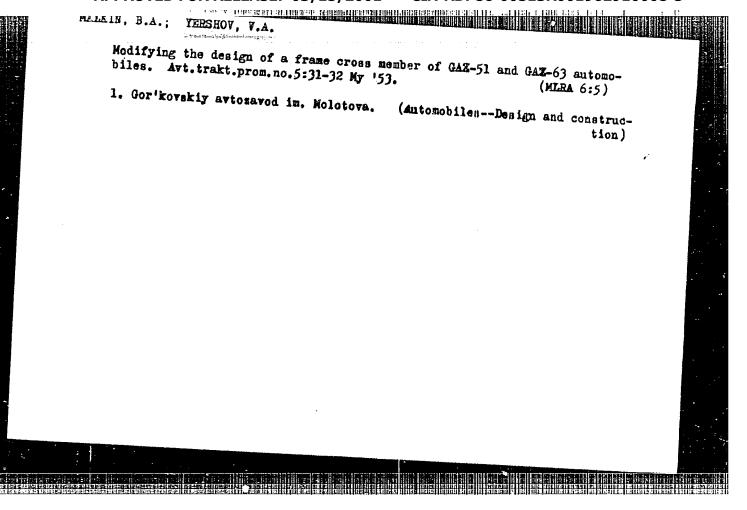
Technical and economic indices of stacking units of various designs.

Muk.-elev. prom. 29 no.2:22-24 F '63. (MIRA 16:8)

l. Gor'kovskaya mashinoispytatel'naya stantsiya.
(Flour mills-Equipment and supplies)
(Loading and unloading)







YERSHOV, V.A

SOV/124-57-9-10910

ruffinger hand begreningen omen i der seit in die 1460. De one of die geneen in die propriet in die 2001 in 100 des predictiens die dialoge este de one staties de l

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr. 9, p 153 (USSR)

AUTHOR: Yershov, V. A.

TITLE: The Compaction of the Top Shell (Skirt) of Hydrotechnical Sand Struc-

tures as a Factor in Their Dynamic Stability (Uplotneniye verkhney obolochki peschanykh gidrotekhnicheskikh sooruzheniy kak faktor

povysheniya ikh dinamicheskoy ustoychivosti)

PERIODICAL: V sb.: 15-ya nauchn. konferentsiya Leningr. inzh.-stroit. in-ta.

Leningrad, 1957, pp 86-88

ABSTRACT: Bibliographic entry

Card 1/1

8(6), 14(10)

SOV/112-59-3-4656

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 53 (USSR)

AUTHOR: Yershov, V. A.

TITLE: Methods of Compensation for Insufficient Tightness of Sand Dams Built by Hydraulicking (Sposoby kompensatsii nedostatochnoy plotnosti peschanykh plotin, sooruzhayemykh gidronamyvom)

PERIODICAL: V sb.: Dokl. 16-y Nauchn. konferentsii prof.prepodavat, sostava Leningr. inzh.-stroit. in-ta. L., 1958, pp 133-137

ABSTRACT: B. . . graphic entry.

Card 1/1

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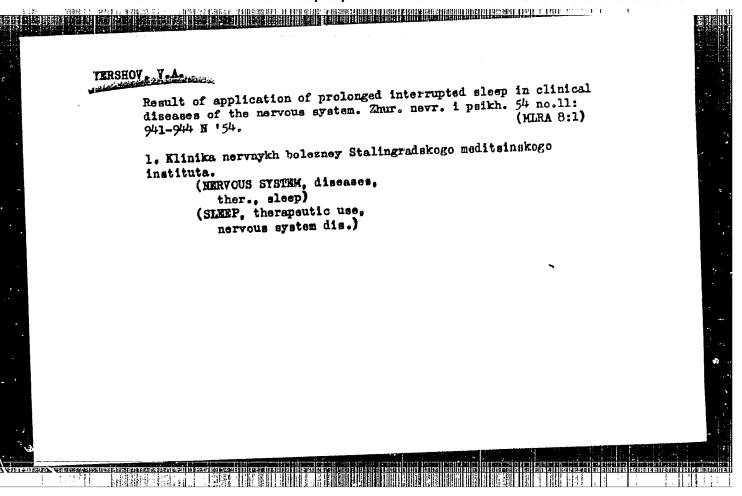
YERSHOV, V.A., starshiy nauchnyy sotrudnik, kand.tekhn.nauk

Dynamic stability of dams built of saline sand during the process of desalinization. Sbor. nauch. trud. LISI no.37362-75 '62. (MRA 16:3)

(Dams) (Sand)

YERSHOV, V.A., kand.tekhn.nauk

Stability of sand embankments in connection with vibrations caused by rail and vehicular traffic. Sbor. nauch. trud. LISI no.37: (MIRA 16:3) 76-94 '62. (Embankments) (Soil mechanics)



Problem of subarachnoid hemorrhages in syphilis. Vest.ven. 1 dern.
no.3:27-31 My-je '56.

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof. M.T.
Bril') i kafedry nervnykh bolezney (zav. - prof. V.A. Yershov) Stalingradskogo meditsinskogo instituta (dir. - prof. V.S. Yurov)
(STYHILIS, complications,
subarachnoid hemorrh. (Rus))
(CEPHERAL HEMORRHAGE,
subarachnoid, in syphilis (Rus))

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

特有同的主用的数点

YERSHOV, V.A.; KUKINA, L.I.

Cholesterol-protein complexes in the cerebrospinal fluid under normal conditions and in certain pathological states. Zhur.newr.i psikh. (MIRA 13:9) 60 no.5:558-561 '60.

1. Kafedra nerwnykh bolezney (zav. - prof. V.A. Yorghov) Stalingrad-skogo meditsinskogo instituta. (PROTEINS) (CEREBROSPINAL FLUID)

TERSHOV, V.A.; UMAKHANOV, R.U.

Clinical aspects and therapy of angioreticulomas of the fourth yentricle. Zhur.nevr.i psikh. 59 no.9:1038-1041 '59. (MIRA 12:11)

1. Klinika nervnykh bolesney (mav. - prof. V.A. Yershov) Stalingrad-skogo meditsinskogo instituta.

(CEREBRAL VENTRICLES neoplasme)

S/064/61/000/001/006/011 B132/B218

AUTHORS:

Yershov, V. A., Ladskiy, N. K., Pagnuyeva, I. A.

TITLE:

Permissible content of phosphorus compounds in acetylene

PERIODICAL: Khimicheskaya promyshlennost', no.1, 1961, 25-29

TEXT: According to the specification COCT 1460-56 (GOST 1460-56), only carbide with a content of phsophorus compounds that does not exceed 0.08% (referred to PH3) may be used for the production of acetylene. This low value must be observed because of the spontaneous ignition of acetylene in the presence of larger quantities of phosphorus compounds. Data given in publications on the PH, content causing ignition of acetylene are very contradictory. This may possibly be explained by the fact that the experiments underlying the above-mentioned published data were made with artificial acetylene mixtures of C2H2 and PH3, and that the organic phosphorus compounds which also form during the evolution of C2H2 were not taken into account.

Card 1/7

Permissible content of phosphorus...

S/064/61/000/001/006/011

The authors are of the opinion that: 1) phosphorus compounds cause not only ignition, but also reduce the ignition temperature of inflammable mixtures. In this connection, also very small quantities of FH3 may be of importance. 2) Natural mixtures of C2H2 that were produced from carbide containing small admixtures of phosphorus compounds must be used. 3) The temperature of spontaneous ignition of acetylene-air mixtures with different contents of phosphorus compounds must be determined. From this a standard may be specified for the acetylene generator. First, the most inflammable acetylene-air mixture and the influence of phosphorus additions on the ignition temperature must be determined. In addition to that, it is necessary to determine the ignition temperature below which, under any conditions, V no ignition occurs. In an arc furnace, various quantities of lime, coke and calcium phosphate were molten. The phosphorus compounds were determined indometrically from FOCT 1460-56, 5457-50 (GOST 1460-56, 5457-50). The most inflammable mixture was determined by three methods. According to method (I), the acetylene-air mixture was passed through an electrically heated porcelain tube. The ignition temperature was measured with a Cr-Al thermo-

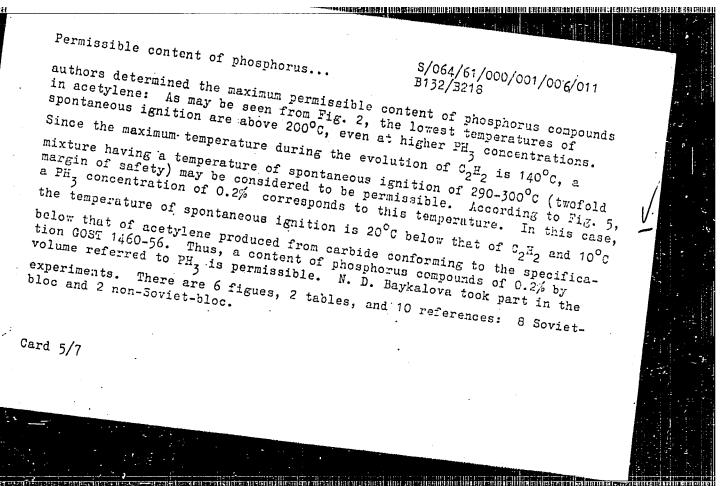
APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962910008-5"

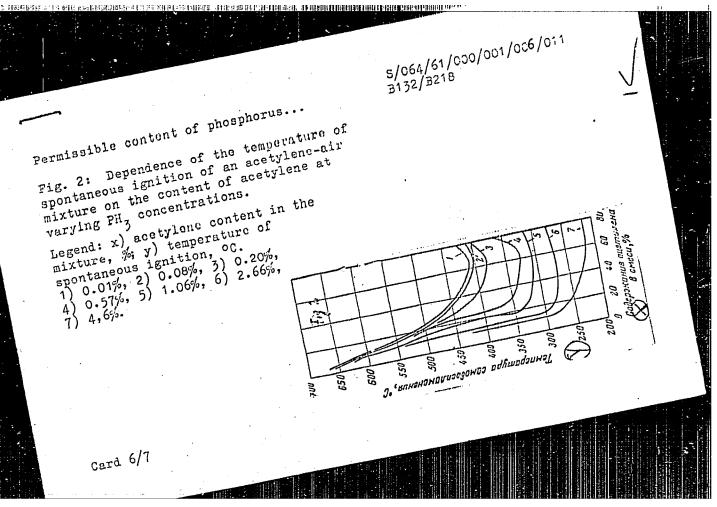
Permissible content of phosphorus...

S/064/61/000/001/006 011 B132/B218

couple. Fig. 2 shows that with increasing  $C_2H_2$  concentration the temperature of spontaneous ignition drops at first. The minimum lies at about first increasing  $PH_3$  content lowers the ignition temperature. The values thus found are relatively high and cannot be used for a standard determination. According to the static method (II), the  $C_2H_2$  -air mixture is passed temperature. Then, the time that passes between the inflow of the mixture and its explosion is measured. These time intervals become longer as the temperature of the steel bomb decreases. Finally, no explosion occurs. cording to method (III), air and acetylene, with a known content of  $PH_3$  as to exclude  $PH_3$  oxidation before ignition. A tubular furnace was preheated acetylene is added and again the time is measured, which passes between the

I TORK THEFT RECORDED BY THE ASSESSMENT OF THE PROPERTY OF THE CONTROL OF THE PROPERTY OF THE s/064/61/000/001/006/011 B132/B218 These time intervals became longer with a temperature drop of the furnace until finally no ignition occurred. with a temperature drop of the furnace until finally no lenttion occurred. The values obtained by this method are higher as compared to (II), which the values obtained by this method are higher as compared to of the final occurred that prevention of our order to the transfer of the final occurred that prevention of our order to the final occurred that prevention of our order to the final occurred that prevention of our order to the final occurred to the fina The values obtained by this method are higher as compared to (11), which the indicates that prevention of PH, oxidation does not result in a drop of the temperature of spontaneous ignition. In order to check the statement by Caro that during this process easily inflammable organo-phosphours compounds are formed the authors probabled by caro that during this process easily inflammente organo-phosphours compound the are formed, the authors preheated PH, containing C2H2 and determined the ignition temperature according to (1). Within the range of 200 to 300 to a temperature drop by 40°C could be observed. After this drop, however, a temperature drop by 40°C could be observed. a temperature arop by 40-0 coura be observed. After this arop, nowever, a sharp temperature rise occurred due to polymerization, which excludes the sharp temperature rise occurred due to polymerization of occider inflammable organization of occider inflammable organization of occider inflammable organization of occider inflammable organization of occider inflammable organization. snarp temperature rise occurred due to polymerization, which excludes the formation of easily inflammable organo-phosphorus compounds at high temperatures. The authors also studied the Containtic portivity of a series of iormation of easily inflammable organo-phosphorus compounds at high tem tures. The authors also studied the Catalytic activity of a series of tures. tures. The authors also studied the Catalytic activity of a series of materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, such as lime, carbide, active carbon, platinum, ferrosilicon, materials, and materials materials, such as lime, carbide, active carbon, platinum, lerrosilicon, with which acetylene geratol, and sand. Results showed that these substances, with which acetylene might come in contact when used industrially do not reduce the tencometer. geratol, and sand. Results showed that these substances, with which acetyle might come in contact when used industrially, do not reduce the temperature of spontaneous ismitton. Changes in volume everted a small influence upon might come in contact when used industrially, do not reduce the temperature of spontaneous ignition. Changes in volume exerted a small influence upon the temperature of spontaneous ignition. or spontaneous ignition. Changes in volume exerted a small influence upon the temperature of spontaneous ignition. On the basis of their results, the Card 4/7





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